



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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S.I.  
07 29-03

In re application of

Docket No: Q66101

Hitoshi MORIYA

Appln. No.: 09/944,203

Group Art Unit: 2661

Confirmation No.: 1194

Examiner: Unknown

Filed: September 04, 2001

For: DYNAMIC ROUTING CONTROL SYSTEM AND METHOD FOR RADIO ACCESS NETWORK

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98

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JUL 18 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Technology Center 2600

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. Japanese Unexamined Patent Application Publication No. 11-32080, published February 2, 1999.
2. Japanese Unexamined Patent Application Publication No. 11-355337, published December 24, 1999.
3. Japanese Unexamined Patent Application Publication No. 6-237271, published August 23, 1994.
4. Japanese Unexamined Patent Application Publication No. 7-327042, published December 12, 1995.
5. Japanese Unexamined Patent Application Publication No. 9-83528, published March 28, 1997.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

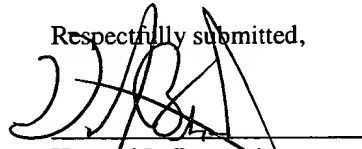
Hitoshi MORIYA  
09/944,203  
INFORMATION DISCLOSURE STATEMENT

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Japanese Office Action dated April 24, 2003 and an English translation of the pertinent portions thereof, which cites such documents and indicates the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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Respectfully submitted,

  
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PATENT TRADEMARK OFFICE

Date: July 17, 2003

Substitute for Form 1449 A &amp; B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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## Complete if Known

Application Number	09/944,203
Confirmation Number	1194
Filing Date	September 04, 2001
First Named Inventor	Hitoshi MORIYA
Art Unit	2661
Examiner Name	Unknown
Attorney Docket Number	Q66101

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	11-32080	A	02/02/1999		
		JP	11-355337	A	12/24/1999		
		JP	6-237271	A	08/23/1994		
		JP	7-327042	A	12/12/1995		
		JP	9-83528	A	03/28/1997		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.



The invention related to the following claims of this application is based on inventions cited in the following publications, which had been circulated in Japan or a foreign country prior to this application. Because a person having ordinary knowledge in the technical field to which that invention belongs could have easily made the invention prior to this application, a patent cannot be granted pursuant to the stipulations of Article 29, Paragraph 2 of the Japan Patent Law.

Note (For a list of the cited literature, see the List of Cited Literature.)

Claims: 1 through 5, 11

Cited Literature: 1 through 3

(Remarks)

1. Regarding the invention related to Claims 1, 2, 4, 5, 11

In the communications system described in Cited Literature 1 (refer to paragraphs 26 through 66 in particular), a wireless base station (corresponding to the "multiple wireless base stations" of Claim 1) records routes up to a central base station (corresponding to the "parent station of the wireless base station" of Claim 1); and if the packet transceiving delay time changes in relation to neighboring base stations and it is necessary to change routes up to the central base station (corresponding to "a topological change of the wireless access network is detected" of Claim 1), the wireless base station transmits the measured results of the delay time to the central base station (corresponding to "transmitting the detected information to the generation means" of Claim 1), and when receiving the measured results information from the wireless base station, the central base station updates the routes of various wireless base stations and informs the various wireless base stations of the updated routes (corresponding to the "Health Check means" of Claim 1).

Described in Cited Literature 2 is the fact that the nodes of a network have a routing table (refer to Figure 5, Figure 6) configured by a spanning tree.

Consequently, a person skilled in the art could easily conceive of the invention of the present application by using the routing table configured by a spanning tree of Cited Literature 2 as the routing information that the central base station and wireless base stations have in the invention described in Cited Literature 1.

2. Regarding the invention related to Claim 3

A person skilled in the art could easily conceive of the invention of the present application by using as the control method of the routing table of the wireless base station described in Cited Literature 1 a method wherein the version of the routing table is checked when the routing table described in Cited Literature 3 is received, and the content of the table is updated if an update has been generated.

List of Cited Literature

1. Japanese Unexamined Patent Application Publication H11-32080
2. Japanese Unexamined Patent Application Publication H11-355337
3. Japanese Unexamined Patent Application Publication H6-237271

- Fields searched      IPC 7<sup>th</sup> Edition    H04L 12/28, 56  
                                        DB name
- Prior art literature

1. Japanese Unexamined Patent Application Publication H7-327042
2. Japanese Unexamined Patent Application Publication H9-83528

This Record of Prior Art Literature Search Results does not constitute a reason for rejection.